

Experiment Number: **A04849**

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Ginseng**

CAS Number: **50647-08-0**

Date Report Requested: **09/18/2018**

Time Report Requested: **09:05:10**

**NTP Study Number:**

A04849

**Study Result:**

Negative

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	58 ± 5.9	87 ± 3.2	67 ± 5.5	102 ± 1.9
1500.0	69 ± 7.0	89 ± 5.0	74 ± 5.5	104 ± 3.3
2500.0	54 ± 2.5	95 ± 1.8	93 ± 8.7	105 ± 4.2
5000.0	70 ± 3.3	99 ± 5.9	81 ± 3.6	104 ± 4.9
7500.0	63 ± 2.1	100 ± 2.9	88 ± 3.0	104 ± 6.0
10000.0	85 ± 7.0	100 ± 6.9	120 ± 24.7	93 ± 9.1
Trial Summary	Negative	Negative	Equivocal	Negative
Positive Control <sup>2</sup>	413 ± 39.3	464 ± 11.7		
Positive Control <sup>3</sup>			1010 ± 66.4	925 ± 39.6

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	19 ± 1.5	25 ± 1.9	21 ± 1.2	29 ± 2.1	28 ± 2.8
1500.0	62 ± 6.1	23 ± 2.1	20 ± 2.8	33 ± 0.9	31 ± 3.7
2500.0	56 ± 3.8	25 ± 1.8	26 ± 3.6	35 ± 4.4	31 ± 3.3
5000.0	60 ± 1.8	28 ± 2.2	29 ± 4.4	30 ± 2.2	36 ± 1.2
7500.0	69 ± 4.6	31 ± 3.8	30 ± 5.0	35 ± 0.7	39 ± 3.7
10000.0	92 ± 2.0	36 ± 1.7	22 ± 6.1	38 ± 1.9	34 ± 1.5
Trial Summary	Positive	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>				560 ± 23.7	1137 ± 42.4
Positive Control <sup>4</sup>	464 ± 11.9	487 ± 30.5	412 ± 5.9		

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Strain: TA98

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Dose (ug/Plate)	With 10% Rat S9
Vehicle Control <sup>1</sup>	35 ± 2.6
1500.0	35 ± 4.8
2500.0	35 ± 4.9
5000.0	39 ± 0.6
7500.0	37 ± 3.8
10000.0	29 ± 1.7
Trial Summary	Negative
Positive Control <sup>3</sup>	757 ± 39.6
Positive Control <sup>4</sup>	

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	194 ± 9.0	225 ± 14.4	229 ± 10.2	242 ± 2.3
1500.0	221 ± 0.9	234 ± 8.4	247 ± 10.5	241 ± 5.4
2500.0	271 ± 25.4	230 ± 8.4	266 ± 75.8	245 ± 7.1
5000.0	189 ± 8.6	153 ± 4.8	212 ± 31.1	233 ± 6.0
7500.0	216 ± 11.7	131 ± 1.8	259 ± 8.6	237 ± 12.5
10000.0	56 ± 6.6	127 ± 5.5	212 ± 33.2	236 ± 7.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>5</sup>			1073 ± 7.4	1077 ± 58.1
Positive Control <sup>6</sup>	1195 ± 41.4	2016 ± 73.4		

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### **LEGEND**

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Values given as Mean or Mean  $\pm$  Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Water

2: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

**\*\* END OF REPORT \*\***